

I claim:

1. A picture frame assembly comprising:

5 (a) a frame panel comprising, or coated with, a sustained release fragrance material;

(b) a picture panel comprising an adsorbent panel coated with a fragranced polymeric emulsion;

(c) a support panel comprising a fiber board coated with a fragrance oil; and

10 (d) an impervious backing panel;

wherein the picture panel is juxtaposed behind the frame panel, the support panel is juxtaposed behind the picture panel, and the backing panel is juxtaposed behind the support panel.

15 2. The picture frame assembly according to claim 1, wherein the sustained release fragrance material is a polyurethane/urea matrix, prepared by a process of reacting a urethane prepolymer with an aromatic diamine chain extender in the presence of a fragrance agent, wherein the aromatic diamine  
20 chain extender is selected from the group consisting of 4,4'-methylene-bis(2-chloroaniline), 4,4'-methylene-bis(3-chloro-2,6-diethylaniline), 4,4'-methylene-bis-aniline, diethyltoluenediamine, 5-tert-butyl-2,4-toluenediamine, 3-tert-butyl-2,6-toluenediamine, 5-tert-amyl-2,4-toluenediamine, 3-tert-amyl-2,6-toluenediamine, chlorotoluenediamine, and mixtures  
25 thereof.

3. The picture frame assembly according to claim 1, wherein the adsorbent panel in (b) is selected from the group  
30 consisting of porous absorbent fiberboards, non-woven polyesters, solid films, and solid waxes.

4. The picture frame assembly according to claim 1, wherein the fragranced polymeric emulsion in (b) is an aqueous  
35 acrylic-urethane hybrid polymer in a dried emulsion dispersion

form containing an organoleptically effective amount of a fragrance agent.

5           5. The picture frame assembly according to claim 1,  
wherein the fiber board in (c) is selected from the group  
consisting of cotton, synthetic, and wood fibers.

10           6. The picture frame assembly according to claim 1,  
wherein the impervious backing panel in (d) is selected from the  
group consisting of aluminum foil, oxide polyester films,  
polymer latex films, and laminated films.

15           7. The picture frame assembly according to claim 2,  
wherein the urethane prepolymer is prepared from the  
condensation polymerization of a polyisocyanate and a polyol.

20           8. The picture frame assembly according to claim 7,  
wherein the polyisocyanate in the urethane prepolymer is  
selected from the group consisting of ethylene diisocyanate;  
ethylidene diisocyanate; propylene diisocyanate; 3-  
isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate; 3-  
isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate cyanurate;  
butylene diisocyanate; hexamethylene diisocyanate; toluene  
diisocyanate; cyclopentylene-1,3,-diisocyanate; cyclohexylene-  
25   1,4-diisocyanate; cyclohexylene-1,2-diisocyanate; 4,4'-  
diphenylmethane diisocyanate; 2,2-diphenylpropane-4,4'-  
diisocyanate; p-phenylene diisocyanate; m-phenylene  
diisocyanate; xylylene diisocyanate; 1,4-naphthylene  
diisocyanate; 1,5-naphthylene diisocyanate; diphenyl-4,4'-  
30   diisocyanate; azobenzene-4,4'-diisocyanate; diphenylsulphone-  
4,4'-diisocyanate; dichlorohexamethylene diisocyanate;  
furfurylidene diisocyanate; 1-chlorobenzene-2,4-diisocyanate;  
4,4',4"-triisocyanatotriphenylmethane; 1,3,5-triisocyanato-  
benzene; 2,4,6-triisocyanato-toluene; 4,4'-

dimethyldiphenylmethane-2,2',5,5-tetraisocyanate, and mixtures thereof.

5           9. The picture frame assembly according to claim 8, wherein the polyisocyanate is selected from the group consisting of 2,4-toluenediisocyanate, 2,6-toluenediisocyanate, and mixtures thereof.

10           10. The picture frame assembly according to claim 7, wherein the polyol in the urethane prepolymer is selected from the group consisting of polyalkylene ether glycols, polyhydroxy polyalkylene ethers, polyhydroxy polyesters, ethylene oxide adducts of polyols, propylene oxide adducts of polyols, esters of glycerol, and mixtures thereof.

15           11. The picture frame assembly according to claim 10, wherein the polyol is selected from the group consisting of polytetramethylene glycol, polypropylene glycol, and mixtures thereof.

20           12. The picture frame assembly according to claim 2, wherein the aromatic diamine chain extender is mixture of 4,4'-methylene-bis(2-chloroaniline) and 4,4'-methylene-bis(3-chloro-2,6-diethylaniline).

25           13. The picture frame assembly according to claim 2, wherein the fragrance agent is premixed with the polyisocyanate.

30           14. The picture frame assembly according to claim 2, wherein the fragrance agent is premixed with the aromatic diamine chain extender.

15. The picture frame assembly according to claim 2, wherein the active agent is premixed with both the polyisocyanate and the aromatic diamine chain extender.

5           16. An air filtration device comprising:

(a) a frame panel;

(b) a porous filtration medium disposed within the frame panel, wherein the porous filtration medium has a first surface for receiving unfiltered air for passage through the medium and  
10 a second surface for releasing filtered air from the medium; and

(c) an adsorbent panel disposed on the porous filtration medium, wherein the adsorbent panel has a first surface for receiving unfragranced air for passage through the panel and a second surface for releasing fragranced air from the panel,  
15 wherein a sustained release fragrance material is disposed on a first portion of the adsorbent panel and a fragrance oil is disposed on a second portion of the adsorbent panel.

17. The air filtration device according to claim 16,  
20 wherein the sustained release fragrance material is a polyurethane/urea matrix, prepared by a process of reacting a urethane prepolymer with an aromatic diamine chain extender in the presence of a fragrance agent, wherein the aromatic diamine chain extender is selected from the group consisting of 4,4'-methylene-bis(2-chloroaniline), 4,4'-methylene-bis(3-chloro-2,6-diethylaniline), 4,4'-methylene-bis-aniline,  
25 diethyltoluenediamine, 5-tert-butyl-2,4-toluenediamine, 3-tert-butyl-2,6-toluenediamine, 5-tert-amyl-2,4-toluenediamine, 3-tert-amyl-2,6-toluenediamine, chlorotoluenediamine, and mixtures thereof.  
30

18. The air filtration device according to claim 17, wherein the urethane prepolymer is prepared from the condensation polymerization of a polyisocyanate and a polyol.

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19. The air filtration device according to claim 18,  
wherein the polyisocyanate in the urethane prepolymer is  
selected from the group consisting of ethylene diisocyanate;  
ethylidene diisocyanate; propylene diisocyanate; 3-  
5 isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate; 3-  
isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate cyanurate;  
butylene diisocyanate; hexamethylene diisocyanate; toluene  
diisocyanate; cyclopentylene-1,3,-diisocyanate; cyclohexylene-  
1,4-diisocyanate; cyclohexylene-1,2-diisocyanate; 4,4'-  
10 diphenylmethane diisocyanate; 2,2-diphenylpropane-4,4'-  
diisocyanate; p-phenylene diisocyanate; m-phenylene  
diisocyanate; xylylene diisocyanate; 1,4-naphthylene  
diisocyanate; 1,5-naphthylene diisocyanate; diphenyl-4,4'-  
diisocyanate; azobenzene-4,4'-diisocyanate; diphenylsulphone-  
15 4,4'-diisocyanate; dichlorohexamethylene diisocyanate;  
furfurylidene diisocyanate; 1-chlorobenzene-2,4-diisocyanate;  
4,4',4"-triisocyanatotriphenylmethane; 1,3,5-triisocyanato-  
benzene; 2,4,6-triisocyanato-toluene; 4,4'-  
dimethyldiphenylmethane-2,2',5,5-tetraisocyanate, and mixtures  
20 thereof.

20. The air filtration device according to claim 19,  
wherein the polyisocyanate is selected from the group consisting  
of 2,4-toluenediisocyanate, 2,6-toluenediisocyanate, and mixtures  
25 thereof.

21. The air filtration device according to claim 18,  
wherein the polyol in the urethane prepolymer is selected from  
the group consisting of polyalkylene ether glycols, polyhydroxy  
30 polyalkylene ethers, polyhydroxy polyesters, ethylene oxide  
adducts of polyols, propylene oxide adducts of polyols, esters of  
glycerol, and mixtures thereof.

22. The air filtration device according to claim 21,  
35 wherein the polyol is selected from the group consisting of

polytetramethylene glycol, polypropylene glycol, and mixtures thereof.

5           23. The air filtration device according to claim 17,  
wherein the aromatic diamine chain extender is mixture of 4,4'-  
methylene-bis(2-chloroaniline) and 4,4'-methylene-bis(3-chloro-  
2,6-diethylaniline).

10           24. The air filtration device according to claim 17,  
wherein the fragrance agent is premixed with the  
polyisocyanate.

15           25. The air filtration device according to claim 17,  
wherein the fragrance agent is premixed with the aromatic  
diamine chain extender.

20           26. The air filtration device according to claim 17,  
wherein the active agent is premixed with both the  
polyisocyanate and the aromatic diamine chain extender.

            27. The air filtration device according to claim 16,  
wherein the device is a furnace filter.

25           28. The air filtration device according to claim 16,  
wherein the device is an air conditioning filter.